

AG9-0025



***National
Environmental
Achievement Track***

Application Form

Grundfos Pump Manufacturing Corporation

Name of facility

The Grundfos Group

Name of parent company (if any)

5900 East Shields Avenue

Street address

Street address (continued)

Fresno, California 93727

City/State/Zip code

Give us information about your contact person for the
National Environmental Achievement Track Program.

Name Malcolm Montgomery

Title Environmental/Safety Coordinator

Phone (559) 292-8000

Fax (559) 292-2891

E-mail mmontgomery@us.grundfos.com

Why do we need this information?

EPA needs background information on your facility to evaluate your application.

What do you need to do?

- Provide background information on your facility.
- Identify your environmental requirements.



1 What do you do or make at your facility?

Grundfos is one of the world's largest manufacturers of pumps, providing water for homes, farms, commercial buildings, and industrial uses. Grundfos designs, builds and operates its own assembly lines. Grundfos manufactures the following type of pumps:

- ☐ Commercial and industrial (C/I) pumps for handling hot and cold water and other fluids in light-industrial and process applications. C/I pumps
- ☐ Small circulators for residential and light-commercial heating applications.
- ☐ A wide range of "no-lead" submersible pumps for domestic and industrial applications with flow rates from five to 1,000 gpm. Horsepower range extends from 1/3 hp to 250 hp.
- ☐ Sump, sewage, and effluent pumps that handle solids and liquids in a wide variety of residential and light commercial applications.
- ☐ Submersible pumps are designed for environmental groundwater monitoring, sampling and clean-up operations.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC
3561

NAICS

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes ☒ No

4 How many employees (full-time equivalents) currently work at your facility?

- ☐ Fewer than 50
- ☐ 50-99
- ☒ 100-499

☐ 500-1,000

☐ More than 1,000

5 Does your facility have an EPA ID number(s)?

☒ Yes

☐ No

If yes, list in the right-hand column.

CAD 983618786

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right **or** enclose a completed Checklist with your application.

Please see the enclosed completed checklist.

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

Grundfos was the very first pump manufacturer to become ISO 9000 certified and most recently ISO 14001 certification..

Why do we need this information?

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

What do you need to do?

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.



1 Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

- | | |
|--|---|
| <i>a.</i> Environmental policy | <input checked="" type="checkbox"/> Yes |
| <i>b.</i> Planning | <input checked="" type="checkbox"/> Yes |
| <i>c.</i> Implementation and operation | <input checked="" type="checkbox"/> Yes |
| <i>d.</i> Checking and corrective action | <input checked="" type="checkbox"/> Yes |
| <i>e.</i> Management review | <input checked="" type="checkbox"/> Yes |

2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☒ Self-assessment

☐ GEMI ☒ Other

☐ CEMP

Grundfos conducts weekly & monthly internal audits, and an annual corporate audit in addition to our third party ISO audit.

☒ Third-party assessment

☒ ISO 14001 Certification

☐ Other

Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.



- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Solid Waste Reduction	179	tons/year	100	tons/year
<p>i. How is the current level an improvement over the previous level?</p> <p>Grundfos has seen a 55% reduction in the amount of solid waste sent to a landfill for disposal. In conjunction with this reduction, Grundfos has increased the number of waste streams and total amount of waste sent off-site for recycling.</p> <p>ii. How did you achieve this improvement?</p> <p>Grundfos has implemented an internal Team to look at existing recycling efforts and opportunities to expand its recycling program. This Team has established a goal for a 43% reduction of the 1999 base by the year end 2002.</p>				

Second aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Energy Reduction	Quantity 8046675	Units kWhr/year	Quantity 6700000 2000 Y.E. estimate	Units kWhr/year
<p>i. How is the current level an improvement over the previous level?</p> <p>Grundfos is anticipating a further decrease in the amount of energy (4%) used by this facility at the end of 2000. Employee project teams have been actively implementing energy reduction measures throughout the year.</p> <p>ii. How did you achieve this improvement?</p> <p>Grundfos has established several employee teams to look at the energy usage within the facility and implement changes to reduce the amount of energy used. As an example of the types of changes initiated by our employees, Grundfos recently completed a facility-wide replacement of its fluorescent fixtures/ballasts and lamps with energy efficient T8 lamps and electronic ballasts. In conjunction with this, Grundfos installed occupancy sensors throughout the facility to further reduce its energy usage. This replacement project is expected to reduce the amount of energy used at this facility by 166,888 Kwh each year.</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

Note to small facilities: If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

First aspect you've selected

- a. What is the aspect? Chemical Waste Reduction
- b. Is this aspect identified as significant in your EMS? ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:
Absolute value 10 tons/year
(Quantity/Units)
- ☐ Option B:
In terms of
units of production (Quantity/Units)

- or output
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:
Absolute value 3 tons/year
(Quantity/Units)
- ☐ Option B:
In terms of units of production or output (Quantity/Units)
- e. How will you achieve this improvement?
- Develop employee teams to investigate and implement the use of safer alternatives, methods for safely handling chemicals to reduce the amount of waste generated cleaning up small spills and investigate recycling options for the wastes currently generated. Grundfos is committed to reducing the amount of waste currently landfilled or incinerated by 43% over the next three years.

Second aspect you've selected

- a. What is the aspect?
- Chemical Usage
- b. Is this aspect identified as significant in your EMS?
- ☒ Yes ☐ No
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:
Absolute value 330 chemicals
(Quantity/Units)
- ☐ Option B:
In terms of units of production or output (Quantity/Units)
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- ☒ Option A:
Absolute value 165 chemicals
(Quantity/Units)
- ☐ Option B:
In terms of units of production or output (Quantity/Units)
- e. How will you achieve this improvement?
- Develop employee teams to investigate and implement a program to identify duplications of similar chemicals and identify safer alternatives. Grundfos's goal is to reduce the total number of chemicals within its inventory by 50% over the next three years.

Third aspect you've selected

- | | | |
|---|--|------------------------------------|
| a. What is the aspect? | Energy Usage | |
| b. Is this aspect identified as significant in your EMS? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:
Absolute value | 700,000 Kwh/mo
(Quantity/Units) |
| | <input type="checkbox"/> Option B:
In terms of
units of production
or output | (Quantity/Units) |
| d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:
Absolute value | 650000 Kwh/mo
(Quantity/Units) |
| | <input type="checkbox"/> Option B:
In terms of
units of production
or output | (Quantity/Units) |
| e. How will you achieve this improvement? | Develop employee teams to investigate and implement programs, systems, and changes in plant equipment as necessary to drive reductions in energy usage. Grundfos is committed to reducing its energy usage by three percent each year. | |

Fourth aspect you've selected

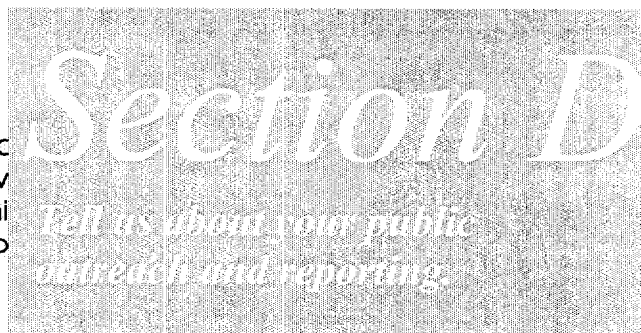
- | | | |
|---|---|--|
| a. What is the aspect? | General Waste Reduction | |
| b. Is this aspect identified as significant in your EMS? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:
Absolute value | 11.2 lbs./\$000
purchased
(Quantity/Units) |
| | <input type="checkbox"/> Option B:
In terms of
units of production
or output | (Quantity/Units) |
| d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output. | <input checked="" type="checkbox"/> Option A:
Absolute value | 7.5 lbs/\$000 purchased
(Quantity/Units) |
| | <input type="checkbox"/> Option B:
In terms of
units of production
or output | (Quantity/Units) |

e. How will you achieve this improvement?

Develop an employee team to investigate and implement alternative methods and disposal options for handling of general waste that is currently landfilled. Grundfos is committed to reducing the amount of general wastes disposed of in landfills by approximately 43% of the 1999 base over the next three years.

Why do we need this information?

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.



What do you need to do?

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

Grundfos currently conducts weekly and monthly internal audits on water, air, chemical waste and noise sources. The intent of these audits is to identify and correct any issues before they can become an environmental concern. Before any new process is implemented, an environmental impact evaluation is conducted by the Environmental Coordinator. This is to determine if the process has any emission to the environment, if it generates a waste product or if there is excessive noise generated from the process. The impact to the community is based on these evaluations.

The Environmental/Safety Coordinator for Grundfos is the primary point of contact for community concerns and questions. In accordance with our ISO procedures, all environmental communications are logged on our 'Environmental Communication Log'(EP10-1). Information entered on the log includes the date the communication was opened and closed, from whom the communication was from, the form of the communication (written or verbal), the subject of the communication, a description of the communication and the response to the communication.

2 How do you inform community members of important matters that affect them?

Grundfos has a public information pamphlet entitled, "Grundfos and the Environment" that it provides to its employees, visitors, external contractors, services and other interested parties. This pamphlet outlines Grundfos's and its President's commitment to the environment, identifies its environmental policy, process control practices and identifies the Environmental Coordinator as the point of contact for further information.

3 How will you make the Achievement Track Annual Performance Report available to the public?

☒ Website www.us.grundfos.com

☐ Newspaper

☒ Open Houses

☒ Other

Grundfos generates an Annual Corporate Environmental Report that summarizes activities, plans and results at each company site. This report is also available on Grundfos's web site.

4 Are there any ongoing citizen suits against your facility?

☐ Yes

☒ No

If yes, describe briefly in the right-hand column.

5 List references below

	<i>Organization</i>	<i>Name</i>	<i>Phone number</i>
<i>Representative of a Community/ Citizen Group</i>	Fresno State University	Dr. Gary Winegar Solutions Center Director	559) 278-5687
<i>State/Local Regulator</i>	San Joaquin Valley Air Pollution Control District	Mr. Rick Boyer Air Quality Inspector	(559) 230-5953
<i>Other community/local reference</i>	Vigen Associates	Mr. Gary Vigen	559) 268-2711

Section E

On behalf of Grundfos Pump Manufacturing Corporation
(my facility),

Application and Participation Statement

I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date

Bob Early 9/26/00

Printed Name/Title Bob Early, President

Facility Name Grundfos Pump Manufacturing Corporation

Facility Street Address 5900 E. Shields Avenue, Fresno, CA 93727

Facility ID Numbers CAD 983618786

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK or e-mail ptrack@indecon.com. Mail completed applications to:

The Performance Track Information Center
c/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

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National Environmental Achievement Track

Environmental Requirements Checklist

The following Checklist is provided to assist facilities in answering Section A, "Tell us about your facility," Question 6. The Checklist is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The Checklist is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

Facility Name Grundfos Pump Manufacturing Corporation
Facility Location: 5900 E. Shields Avenue, Fresno, CA 93727
Facility ID Number(s): CAD 983618786
(attach additional sheets if necessary)

Air Pollution Regulations

Check All
That Apply

1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61)
2. Permits and Registration of Air Pollution Sources
3. General Emission Standards, Prohibitions and Restrictions
4. Control of Incinerators
5. Process Industry Emission Standards
6. Control of Fuel Burning Equipment
7. Control of VOCs
8. Sampling, Testing and Reporting
9. Visible Emissions Standards
10. Control of Fugitive Dust
11. Toxic Air Pollutants Control
12. Vehicle Emissions Inspections and Testing

<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above (identify)

13. San Joaquin Valley Air Pollution Control District Requirments
- 14.

<input checked="" type="checkbox"/>
<input type="checkbox"/>

Hazardous Waste Management Regulations

1. Identification and Listing of Hazardous Waste (40 CFR 261)
 - Characteristic Waste
 - Listed Waste
2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262)
 - Manifesting

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input checked="" type="checkbox"/>

- Pre-transport requirements ☒
- Record keeping/reporting ☒
- 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
 - Transfer facility requirements ☐
 - Manifest system and record-keeping ☐
 - Hazardous waste discharges ☐
- 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
 - General facility standards ☐
 - Preparedness and prevention ☐
 - Contingency plan and emergency procedures ☐
 - Manifest system, Record keeping and reporting ☐
 - Groundwater protection ☐
 - Financial requirements ☐
 - Use and management of containers ☐
 - Tanks ☐
 - Waste piles ☐
 - Land treatment ☐
 - Incinerators ☐
- 5. Interim Status Standards for TSD Owners and Operators (40 CFR 265) ☐
- 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267) ☐
- 7. Administered Permit Program (Part B) (40 CFR 270) ☐

Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (identify)

- 8. California Department of Toxic Substance Control Regulations ☒
- 9. ☐

Hazardous Materials Management

- 1. Control of Pollution by Oil and Hazardous Substances (33 CFR 153) ☐
- 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302) ☐
- 3. Hazardous Materials Transportation Regulations (49 CFR 172-173) ☒
- 4. Worker Right-to-Know Regulations (29 CFR 1910.1200) ☒
- 5. Community Right-to-Know Regulations (40 CFR 350-372) ☒

Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (identify)

- 6. ☐
- 7. ☐

Solid Waste Management

- 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257) ☐
- 2. Permit Requirements for Solid Waste Disposal Facilities ☐
- 3. Installation of Systems of Refuse Disposal ☐

4. Solid Waste Storage and Removal Requirements ☐
5. Disposal Requirements for Special Wastes ☐

Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (identify)

6. ☐
7. ☐

Water Pollution Control Requirements

1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112) ☐
2. Designation of Hazardous Substances (40 CFR 116) ☐
3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117) ☐
4. NPDES Permit Requirements (40 CFR 122) ☐
5. Toxic Pollutant Effluent Standards (40 CFR 129) ☐
6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403) ☐
7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414) ☐
8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415) ☐
9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416) ☐
10. Water Quality Standards ☒
11. Effluent Limitations for Direct Dischargers ☐
12. Permit Monitoring/Reporting Requirements ☒
13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants ☐
14. Collection, Handling, Processing of Sewage Sludge ☐
15. Oil Discharge Containment, Control and Cleanup ☐
16. Standards Applicable to Indirect Discharges (Pretreatment) ☒

Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above (identify)

17. Central Valley Resources Control Board - Stormwater Pollution Prevention Plan ☒
18. ☐

Drinking Water Regulations

1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146) ☐
2. National Primary Drinking Water Standards (40 CFR 141) ☐
3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141) ☐
4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources ☐

5. Underground Injection Control Requirements ☐
6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems ☐

Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above(identify)

7. ☐
8. ☐

Toxic Substances

1. Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704) ☐
2. Import and Export of Chemicals (40 CFR 707) ☐
3. Chemical Substances Inventory Reporting Requirements (40 CFR 710) ☐
4. Chemical Information Rules (40 CFR 712) ☐
5. Health and Safety Data Reporting (40 CFR 716) ☐
6. Pre-Manufacture Notifications (40 CFR 720) ☐
7. PCB Distribution Use, Storage and Disposal (40 CFR 761) ☐
8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762) ☐
9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775) ☐

Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above (identify)

10. ☐
11. ☐

Pesticide Regulations

1. FIFRA Pesticide Use Classification (40 CFR 162) ☐
2. Procedures for Disposal and Storage of Pesticides and Containers (40 CFR 165) ☐
3. Certification of Pesticide Applications (40 CFR 171) ☐
4. Pesticide Licensing Requirements ☐
5. Labeling of Pesticides ☐
6. Pesticide Sales, Permits, Records, Application and Disposal Requirements ☐
7. Disposal of Pesticide Containers ☐
8. Restricted Use and Prohibited Pesticides ☐

Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above (identify)

9. ☐
10. ☐

Environmental Clean-Up, Restoration, Corrective Action

1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (identify)
None ☐

2. RCRA Corrective Action (identify) ☐
No Activity ☐
☐

**Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration,
Corrective Action Regulations Not Listed Above (identify)**

3. None Required ☐
4. ☐